

 BRS form  IS&R form  Image  Text  HTML

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EAST- [10091953.wsp:1]

File View Edit Tools Window Help

Drafts

- BRS:
- BRS: 17

Pending

Active

- L1: (143317) "455"/\$.ccls. or "709"/\$.ccls. or "370"/\$.ccls.
- L2: (1482) 1 and "wireless modem"
- L3: (80) 2 and "serial interface"
- L4: (0) 3 and "differential serial interface"
- L5: (0) 3 and "SIM interface" and "audio interface"
- L6: (0) 3 and "SIM" and "audio interface"
- L7: (53) 3 and host
- L8: (23) 3 and host
- L9: (0) 8 and ("SIM" and audio)
- L10: (0) 8 and (SIM and audio)
- L11: (9) 8 and audio
- L12: (35) 3 and USB
- L13: (1) 12 and (SIM and audio)

Failed

Saved

- S1: (96838) "455"/\$.ccls. or "709"/\$.ccls.
- S2: (1176) S1 and "wireless modem"
- S3: (984) S2 and interfac\$3
- S4: (70) S3 and "serial interface"

United States
Patent Application Publication
Kirkup et al.

(45) Pub. No.: US 2004/0142686 A1
(45) Pub. Date: Jul. 22, 2004

(54) SYSTEM AND METHOD OF CONNECTION CONTROL FOR WIRELESS MOBILE COMMUNICATIONS

(73) Inventor: Michael G. Kirkup, Winston #7A3
Robert A. Little, Winston #2A1
David S. Bink, Winston #2A1

(21) Appl. No.: 10/968,388
(22) Filed: Oct. 16, 2003

(60) Provisional Application No. 60/424,722, filed on Nov. 14, 2002

ABSTRACT

System and method of connection control for wireless mobile communication are provided. The system includes a mobile communication device, a network, and a server. The mobile communication device is connected to the network via a wireless interface. The network is connected to the server via a wired interface. The server is configured to receive a request from the mobile communication device to establish a connection to a resource. The server is configured to determine if the resource is available. If the resource is available, the server is configured to establish the connection. If the resource is not available, the server is configured to reject the request. The system and method of connection control for wireless mobile communication are provided.

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| | U | 1 | Document ID | Issue Date | Pages | Title | Current OR | Current X | Reti | Inventor | S |
|---|--------------------------|--------------------------|-------------------|------------|-------|---|------------|-----------|------|---------------------------|-------------------------------------|
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | US 20040142686 A1 | 20040722 | 17 | System and method of connection control for wireless mobile communica | 455/420 | 455/418 | | Kirkup, Michael G. et al. | <input checked="" type="checkbox"/> |

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- L6: (0) 3 and "SIM" and "audio interface"
- L7: (53) 3 and host
- L8: (23) 3 and host
- L9: (0) 8 and ("SIM" and audio)
- L10: (0) 8 and (SIM and audio)
- L11: (9) 8 and audio
- L12: (35) 3 and USB
- L13: (1) 12 and (SIM and audio)
- L14: (1) 12 and SIM
- L15: (0) 12 and (audio near3 port)
- L16: (13) 12 and audio

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- S1: (96838) "455"/\$.ccls. or "709"/\$.ccls.

Reverse List Browse Cleanup Clear

DB+ US-PGPUB:USPAT:EPQ ☒ Plural ☒ Highlight all hit terms initially

Default operator: OR

12 and audio

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| | U | 1 | Document ID | Issue Date | Pages | Title | Current OR | Current X | Retn | Inventor | S |
|----|--------------------------|-------------------------------------|-------------------|------------|-------|--|------------|-------------------|------|----------------------------|-------------------------------------|
| 8 | <input type="checkbox"/> | <input type="checkbox"/> | US 20020028655 A1 | 20020307 | 28 | Repeater system | 455/16 | 455/13.1 | | Rosener, Douglas K. et al. | <input checked="" type="checkbox"/> |
| 9 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | US 6760772 B2 | 20040706 | 71 | Generating and implementing a communication protocol and interfac | 709/230 | | | Zou, Qiuqzhen et al. | <input checked="" type="checkbox"/> |
| 10 | <input type="checkbox"/> | <input type="checkbox"/> | US 6687757 B1 | 20040203 | 19 | Packet processor | 709/250 | 709/249 | | Ben-Ze'ev, Yuval et al. | <input checked="" type="checkbox"/> |
| 11 | <input type="checkbox"/> | <input type="checkbox"/> | US 6430164 B1 | 20020806 | 18 | Communications involving disparate protocol network/bus and device sub | 370/313 | 370/389; 455/99; | | Jones, Marc T. et al. | <input checked="" type="checkbox"/> |
| 12 | <input type="checkbox"/> | <input type="checkbox"/> | US 6389337 B1 | 20020514 | 63 | Transacting e-commerce and conducting e-business related to ident | 701/29 | 340/439; | | Kolls, H. Brock | <input checked="" type="checkbox"/> |
| 13 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | US 6205522 B1 | 20010320 | 28 | DSP code swapping with continuous DSP execution | 711/147 | 709/200; 709/212; | | Hudson, Michael et al. | <input checked="" type="checkbox"/> |

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Drafts

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- L6: (0) 3 and "SIM" and "audio interface"
- L7: (53) 3 and host
- L8: (23) 3 and host
- L9: (0) 8 and ("SIM" and audio)
- L10: (0) 8 and (SIM and audio)
- L11: (9) 8 and audio

Failed

Saved

- S1: (96838) "455"/\$.ccls. or "709"/\$.ccls.
- S2: (1176) S1 and "wireless modem"
- S3: (984) S2 and interfacs3
- S4: (70) S3 and "serial interface"
- S5: (0) S4 and "differential serial interface"
- S6: (0) S2 and "differential serial interface"

Search Live Browse Cleanup Clear

DBs: US-PGPUB:USPAT:EPO

Default generator: OR

8 and audio

BRS form ISRA form Image Text HTML

| | U | I | Document ID | Issue Date | Pages | Title | Current OR | Current X | Reti | Inventor | S |
|---|--------------------------|-------------------------------------|---------------|------------|-------|---|------------|------------------------|------|---------------------------|-------------------------------------|
| 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | US 6516204 B1 | 20030204 | 12 | Combination internal modem and PC card radio operable in multiple modes | 455/557 | 455/348; 455/351; | | Funk, Gregory John et al. | <input checked="" type="checkbox"/> |
| 2 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | US 6377808 B1 | 20020423 | 11 | Method and apparatus for routing data in a communication system | 455/445 | 370/392; 455/414.1; | | Kornechuk, Jose E. et al. | <input checked="" type="checkbox"/> |
| 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | US 6205522 B1 | 20010320 | 28 | DSP code swapping with continuous DSP execution | 711/147 | 709/200; 709/212; | | Hudson, Michael et al. | <input checked="" type="checkbox"/> |
| 4 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | US 6028849 A | 20000222 | 13 | Communication timing control arrangement and method thereof | 370/280 | 370/347; 370/350; | | Niot, Francois et al. | <input checked="" type="checkbox"/> |

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NUM

L1: (143317) "455"/\$.ccls. or "709"/\$.ccls. or "370"/\$.ccls.

- L2: (1482) 1 and "wireless modem"

• L3: (80) 2 and "serial interface"

LA: (0) 3 and "differential serial interface"

L5: (0) 3 and "SIM interface" and "audio interface"

Failed

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S1: (96838) "455"/\$.ccls. or "709"/\$.ccls.

[-] S2: (1176) S1 and "wireless modem"

S3: (984) S2 and interfac\$3

• S4: (70) S3 and "serial interface"

• S5: (0) S4 and "differential serial interface"

✶ S6: (0) S2 and "differential serial interface"

➤ S8: (0) S7 and "wireless modem"

✶ S7: (10) "differential serial interface"

• S9: (0) S7 and (wireless near3 modem)

• S10: (3) S7 and modern

✎ S11: (1) "differential serial interface" and "differential signal pair"

S12: (0) "SIM interface" and "wireless modem" and "audio interface" and "serial interface"

S13: (0) "SIM interface" and "wireless modem" and "audio interface"

Q14: (3) "SIM" and "wireless modem" and "audio interface"

S16: (0) S14 and (serial adj interfac\$3)

S15: (3) S14 and serial

S17: (135) host and interface\$3 and "wireless modem" and "serial interface"

S18: (0) S17 and ("SIM interface" and "audio interface")

(C) 1970 by General Motors Corporation

| | | | |
|------|----|---------|------|
| From | To | Subject | Date |
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DBs US-PGPUB:USPAT:EPC

Plurals

Default operator: **OR** ▼

☒ Highlight all hit terms initially

3 and "SIM interface" and "audio interface"

 BRS form
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Ready

 Favorites

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 - L9: (0) 7 and (wireless near3 modem)
 - L10: (3) 7 and modem
 - L11: (1) "differential serial interface" and "differential signal pair"
 - L12: (0) "SIM interface" and "wireless modem" and "audio interface" and "serial interface"
 - L13: (0) "SIM interface" and "wireless modem" and "audio interface"
 - L14: (3) "SIM" and "wireless modem" and "audio interface"
- Failed
- Saved
- Favorites
- Tagged (3)
- UDC

Search Results

US-PG-PUB:USPAT:EPO

Default operator: OR

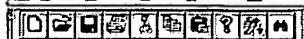
"SIM" and "wireless modem" and "audio interface"

BRS form ISSR form Image Text HTML

| | U | 1 | Document ID | Issue Date | Pages | Title | Current OR | Current X | Reti | Inventor | S |
|---|--------------------------|-------------------------------------|-------------------|------------|-------|--|------------|----------------------|------|-------------------------|-------------------------------------|
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | US 20020178003 A1 | 20021128 | 16 | Method and apparatus for providing voice recognition service to a wireless | 704/246 | | | Gehrke, James K. et al. | <input checked="" type="checkbox"/> |
| 2 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | US 20020008589 A1 | 20020124 | 21 | DIGITALLY-CONTROLLED OSCILLATOR WITH SWITCHED- | 331/34 | 331/1A; 331/143; | | LANOMAN, PAUL E. et al. | <input checked="" type="checkbox"/> |
| 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | US 6028488 A | 20000222 | 21 | Digitally-controlled oscillator with switched-capacitor frequency selectio | 331/1A | 327/156; 327/159; | | Landman, Paul E. et al. | <input checked="" type="checkbox"/> |

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 - ☒ L9: (0) 7 and (wireless near3 modem)
 - ☒ L10: (3) 7 and modem
- ☐ Failed
- ☐ Saved
- ☐ Favorites
- ☐ Tagged (0)
- ☐ UDC
- ☐ Queue
- ☐ Trash

DB: US-PGPUB:USPAT:EPO

☒ Plurals

Default operator: OR

☒ Highlight all hit terms initially

7 and modem

| | U | 1 | Document ID | Issue Date | Pages | Title | Current OR | Current X | Reti | Inventor | S |
|---|--------------------------|--------------------------|--------------|------------|-------|--|------------|-------------------------|------|-------------------|-------------------------------------|
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | US RE38600 E | 20040928 | 99 | Apparatus and methods for accessing information relating to radio television | 348/473 | 455/154.1; 455/158.2 | | Mankovitz; Roy J. | <input checked="" type="checkbox"/> |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | US 5949492 A | 19990907 | 98 | Apparatus and methods for accessing information relating to radio television | 348/473 | 455/154.1; 455/158.2 | | Mankovitz; Roy J. | <input checked="" type="checkbox"/> |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | US 5703795 A | 19971230 | 96 | Apparatus and methods for accessing information relating to radio and televi | 715/721 | 348/473; 705/10 | | Mankovitz; Roy J. | <input checked="" type="checkbox"/> |

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